

## Message Text

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42 L  
ACTION EUR-12

INFO OCT-01 ISO-00 EURE-00 BIB-01 PA-01 PRS-01 SS-15 SP-02

L-03 INR-07 CIAE-00 NSC-05 EB-07 H-02 ( ISO ) W  
----- 102522

P 301401Z SEP 76  
FM AMEMBASSY WARSAW  
TO SECSTATE WASHDC PRIORITY 4241  
INFO USIA WASHDC PRIORITY

C O N F I D E N T I A L WARSAW 7046

STATE FOR EUR/E, PASS BIB; USIA FOR IBS/EF

E.O. 11652: GDS  
TAGS: PFPR, PL  
SUBJECT: SPECIAL RECEPTION STUDY RFE/VOA BROADCASTS IN  
POLAND

REF: STATE 211929

1. DESPITE INTENTIONAL JAMMING AGAINST RADIO FREE EUROPE  
BROADCASTS IN POLISH, GOOD TO FAIR AND OCCASIONALLY EXCELLENT  
RECEPTION OBTAINED IN BOTH WARSAW AND KRAKOW DURING LARGE  
PORTION OF DAILY TRANSMISSION PERIOD, 0400-2300 GMT, FROM  
AT LEAST ONE OR MORE SHORWAVE FREQUENCIES. JAMMING IS  
ACCOMPLISHED BY SUPERIMPOSING A BROADCAST SIGNAL ON EACH  
INDIVIDUAL RFE POLISH FREQUENCY, THEN DISTORTING THAT  
BROADCAST, EFFECTIVELY DEGRADING INTENDED SIGNAL. JAMMING  
EFFECTIVENESS WAS MORE SEVERE DURING EARLY MORNING AND LATE  
EVENING PERIODS.

DISTORTED VOICE JAMMERS ARE LOCATED IN CITIES, BUT UNABLE  
PARALLEL WITH ANY LOCAL MEDIUMWAVE, LONGWAVE OR FM (UHF)  
BROADCAST IN EITHER WARSAW OR KRAKOW. DISTORTED VOICE TYPE  
JAMMING IS ONE METHOD USED IN USSR AGAINST RADIO LIBERTY  
AND OTHER FOREIGN BROADCASTERS.

2. RFE CZECH BROADCASTS ALSO OBSERVED WITH GOOD TO FAIR  
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AND AT TIME EXCELLENT SIGNALS IN KRAKOW DURING DAILY TRANS-

MISSION PERIOD, 0400-2400 GMT, ALTHOUGH BRADCAST SUFFERS  
DEGRADATION BY CONVENTIONAL NOISE TYPE SOVIET JAMMERS.

3. RECEPTION VOA POLISH AND CZECH GOOD TO OCCASIONALLY  
FAIR IN WARSAW AND KRAKOW ON AT LEAST TWO OR MORE OF APPLIED  
FREQUENCIES.

4. RECEPTION RESULTS IN WARSAW AS FOLLOWS:

WARSAW, RFE POLISH:

0400-1000 GMT: RECEPTION POOR DUE TO SEVERE JAMMING.

1000-1600 GMT: GOOD 17805 KHZ.

1600-1800 GMT: FAIR 17805, 15145 KHZ.

1800-1900 GMT: GOOD 15145; FAIR 17805 KHZ.

1900-2000 GMT: GOOD 15145 KHZ.

2000-2300 GMT: RECEPTION POOR DUE SEVERE JAMMING.

WARSAW, VOA POLISH:

0445-0500 GMT: GOOD WOF 6080; FAIR TAN 7220, 9615, MUN 1196 (MW).

0545-0600 GMT: FAIR TAN 7220, WOF 6080, MUN 1196 (MW).

1900-2000 GMT: GOOD WOF 7180, FAIR MUN 1196 (MW).

2130-2200 GMT: GOOD WOF 7180, 6160; FAIR TAN 11955.

2200-2230 GMT: GOOD MUN 1196 (MW).

5. RECEPTION RESULTS IN KRAKOW AS FOLLOWS:

KRAKOW, RFE POLISH:

0400-0600 GMT: POOR RECEPTION DUE SEVERE JAMMING.

0600-0700 GMT: GOOD 11725 KHZ.

0700-0800 GMT: GOOD 15145; FAIR 9695 KHZ.

0800-0900 GMT: GOOD 15145; FAIR 17805, 15170 KHZ.

0900-1100 GMT: GOOD 17805; FAIR 15170, 15145 KHZ.

1100-1500 GMT: GOOD 17805 KHZ.

1500-1600 GMT: EXCELLENT 17805; FAIR 15145 KHZ.

1600-1800 GMT: FAIR 17805, 15145 KHZ.

1800-1900 GMT: FAIR 17805, 15145 KHZ.

1800-1900 GMT: GOOD 15145, 17805 KHZ.

1900-2000 GMT: GOOD 15145.

2000-2200 GMT: POOR RECEPTION DUE SEVERE JAMMING.

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KRAKOW, RFE CZECH:

0400-0500 GMT: POOR RECEPTION DUE SEVERE JAMMING.

0500-0600 GMT: FAIR 11855 KHZ.

0600-0700 GMT: GOOD 11855 KHZ.

0700-0800 GMT: FAIR 15255 KHZ.

0800-0900 GMT: FAIR 15355, 15255 KHZ.

0900-1000 GMT: FAIR 17845, 15355 KHZ.

1000-1100 GMT: GOOD 17835, 15255; FAIR 15355 KHZ.

1100-1200 GMT: GOOD 17835 KHZ.  
1200-1300 GMT: GOOD 17835; FAIR 15255, 15355 KHZ.  
1300-1500 GMT: GOOD 17835, 15355, 15255 KHZ.  
1500-1600 GMT: GOOD 17835, 11885, FAIR 15355, 15255 KHZ.  
1600-1700 GMT: GOOD 15355; FAIR 17835 KHZ.  
1700-1800 GMT: GOOD 17835; FAIR 15355 KHZ.  
1800-1900 GMT: EXCELLENT 17835; GOOD 15355; FAIR 15255,  
11885 KHZ.  
1900-2000 GMT: GOOD 17835 KHZ. (OFF 1930 GMT).  
2000-2100 GMT: FAIR 11885 KHZ.  
2100-2200 GMT: FAIR 7165 KHZ.  
2200-2400 GMT: POOR RECEPTION DUE SEVERE JAMMING ONE EVENING.

KRAKOW, VOA POLISH:

0445-0500 GMT: GOOD WOF 6080, MUN 1196 (MW); FAIR TAN 9615,  
7220.  
0545-0600 GMT: FAIR WOF 6080, TAN 9615.  
1900-2000 GMT: GOOD TAN 11955, WOF 7180, MUN 1196 (MW).  
2130-2200 GMT: GOOD WOF 7180, 6160.  
2200-2230 GMT: GOOD MUN 1196 (MW).

KRAKOW, VOA CZECH:

0430-0445 GMT: GOOD MUN 1196; FAIR TAN 9615.  
0530-0545 GMT: FAIR WOF 6060, 6080.  
1630-1700 GMT: GOOD WOF 9735; FAIR TAN 15270, MUN 1196 (MW).  
2000-2100 GMT: GOOD MUN 1196 (MW), WOF 7180; FAIR WOF 6160,  
TAN 11955.

6. TECHNICAL COMMENTS:

(A) RFE MEDIUMWAVE FREQUENCY 719 KHZ COOMPLETELY COVERED  
BY LOCAL STATION IN WARSAW ON FREQUENCY 721 KHZ. RECEPTION  
ERRATIC IN KRAKOW DUE TO UNSETTLED PROPAGATION CONDITIONS  
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DURING ONE EVENING PERIOD.

(B) CO-CHANNEL INTERFERENCE STILL EXISTS FROM MINSK  
TRANSMITTER ON MUN 1196 (MW), HOWEVER, BELIEVE NOT AS  
SEVERE NOW AS PREVIOUS.

7. SHERRILL ETA WASHINGTON 10/1 VIA PAA 67 AT 1715.  
DAVIES

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NNN

## Message Attributes

**Automatic Decaptioning:** X  
**Capture Date:** 01 JAN 1994  
**Channel Indicators:** n/a  
**Current Classification:** UNCLASSIFIED  
**Concepts:** JAMMING, RADIO BROADCASTING, RADIO FREQUENCIES  
**Control Number:** n/a  
**Copy:** SINGLE  
**Draft Date:** 30 SEP 1976  
**Decaption Date:** 01 JAN 1960  
**Decaption Note:**  
**Disposition Action:** RELEASED  
**Disposition Approved on Date:**  
**Disposition Authority:** coburnhl  
**Disposition Case Number:** n/a  
**Disposition Comment:** 25 YEAR REVIEW  
**Disposition Date:** 28 MAY 2004  
**Disposition Event:**  
**Disposition History:** n/a  
**Disposition Reason:**  
**Disposition Remarks:**  
**Document Number:** 1976WARSAW07046  
**Document Source:** CORE  
**Document Unique ID:** 00  
**Drafter:** n/a  
**Enclosure:** n/a  
**Executive Order:** GS  
**Errors:** N/A  
**Film Number:** D760369-0568  
**From:** WARSAW  
**Handling Restrictions:** n/a  
**Image Path:**  
**ISecure:** 1  
**Legacy Key:** link1976/newtext/t1976091/aaaaaaez.tel  
**Line Count:** 162  
**Locator:** TEXT ON-LINE, ON MICROFILM  
**Office:** ACTION EUR  
**Original Classification:** CONFIDENTIAL  
**Original Handling Restrictions:** n/a  
**Original Previous Classification:** n/a  
**Original Previous Handling Restrictions:** n/a  
**Page Count:** 3  
**Previous Channel Indicators:** n/a  
**Previous Classification:** CONFIDENTIAL  
**Previous Handling Restrictions:** n/a  
**Reference:** 76 STATE 211929  
**Review Action:** RELEASED, APPROVED  
**Review Authority:** coburnhl  
**Review Comment:** n/a  
**Review Content Flags:**  
**Review Date:** 03 MAY 2004  
**Review Event:**  
**Review Exemptions:** n/a  
**Review History:** RELEASED <03 MAY 2004 by greeneet>; APPROVED <30 AUG 2004 by coburnhl>  
**Review Markings:**

Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
04 MAY 2006

**Review Media Identifier:**  
**Review Referrals:** n/a  
**Review Release Date:** n/a  
**Review Release Event:** n/a  
**Review Transfer Date:**  
**Review Withdrawn Fields:** n/a  
**Secure:** OPEN  
**Status:** NATIVE  
**Subject:** SPECIAL RECEPTION STUDY RFE/VOA BROADCASTS IN POLAND  
**TAGS:** PFOR, ETEL, PL, VOA, RFE  
**To:** STATE  
**Type:** TE  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006